

## Special Issue

# Recent Trends in Polymer Membranes: Fabrication Technique, Characterization, Functionalization, and Applications in Environmental Science, 2nd Edition

### Message from the Guest Editors

More than 90% of the water in the world is comprised of salty water, and only about 2.5% can be used for human consumption. Among this proportion, most water resources are polluted by various industrial dyes, toxic metallic ions, drugs, pesticides, bacteria, and other aromatic organic chemicals. Polymer membranes with 3D networks and nanoporous structures provide a potential way to treat these pollutants in wastewater in order to obtain cleaning drinking water. The functionalization of polymer membranes with suitable chemicals, nanoparticles, and 2D graphene-like materials exhibits the possibility to create functional antifouling and antibacterial membrane materials. Therefore, in this Special Issue of *Polymers*, we would like to collect contributions that focus on (but are not limited to) the design, fabrication, structural and functional regulation, and application of various polymeric membranes. Submissions in the form of full-length articles and reviews are invited.

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### Guest Editors

Dr. Yan Wang

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### Deadline for manuscript submissions

20 June 2025



## Polymers

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### Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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